

T Level in Design, Surveying and Planning for Construction (Building Services Design)



Course Level: Level 3

Campus: Stafford

Subject Type: Construction & Engineering

Course Overview:

Explore the vital aspects of design, surveying and planning in construction.

Gain practical knowledge in project management, budgeting, and procurement strategies. Understand the science behind building design, surveying techniques, and construction methodologies. Develop critical thinking skills to tackle industry challenges, all while considering sustainability and environmental impact. Prepare for a rewarding career shaping the built environment and driving positive change in the construction industry.

What's Covered:

The world of construction is fast-paced and ever changing with an array of exciting opportunities available for aspiring careers in construction. Studying this pathway aims to develop your understanding of construction disciplines and you will have the opportunity to working directly within the construction industry on your work placement over the course of the programme.

Over the 2 years students will develop a general understanding of construction, including: health and safety, the science behind building design, surveying and planning, making accurate and appropriate measurements, construction methods, building regulations and standards, data management and information standards in construction, relationship management and customer service. How the Internet of Things (IoT) impacts construction, digital engineering techniques, mathematical techniques to solve construction problem, construction design principles and processes, the construction industry and its role in the economy, sustainability and the environmental impact of construction, business, commerce and corporate social responsibility. Then further specific topics to design, surveying and planning, including project management, budgeting and resource allocation, procurement and risk management. Year 2 – students will have the option to further their knowledge with an occupational specialism in either building services design or surveying and design for construction.

As part of your studies, you will be expected to undertake a work placement to enhance and develop not only your education of the industry, but also to gain valuable industrial training with your employer placement. This work placement opportunity can be achieved using a range of options, and is subject to the employer's requirements. The placement can be achieved using a block placement or day release. Employers are keen to engage and train students in construction due to the skills gaps in the industry.

You will continue with your work placement alongside your studies by enhancing the theoretical knowledge learnt in the classroom and applying this to the practical environment in the world of work, gaining skills along the way to support with your future career aspirations.

Entry Requirements:

Working towards 5 GCSE at grades 5 and above

Assessment Information:

You will be assessed through a combination of core exams (Year 1), externally assessed coursework (Year 2), work based observations (throughout the 2 years) and an employer project

**New
Course**

**84% High
Grades**

**Distinction or above
in 2023**

set project at the end of Year 1.

Fees and Financial Support:

College Maintenance Allowance (CMA):

Anyone with a household income under £26,000 can receive up to £20 per week financial support to help pay for travel and meals and meet the costs of essential trips, books, stationery and equipment. The payments will be subject to full attendance on your course. A range of other financial support is available, depending on your personal circumstances. [For more details visit nscg.ac.uk/finance](https://nscg.ac.uk/finance)

Progression:

This course will prepare you for a career in construction, design and surveying. Upon successful completion of the course, you may consider a career as a civil engineering technician, building control officer, building technician, technical surveyor and planning assistant. Or to continue studying for a Higher Technical qualifications at Level 4 and 5, Higher Apprenticeships or degrees up to Level 6.